

# UCONN | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

## PLAN OF STUDY FORM

Catalog Year 2024-2025

MEDICAL LABORATORY SCIENCES MAJOR

### DIRECTIONS

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- This Plan of Study (plan) is used as a *worksheet* during initial registration and every subsequent semester to determine minimum requirements and progress toward completing the degree. A *preliminary plan* is developed and submitted to the advisor by the end of the sophomore year (or equivalent time for transfer students).
- **A final plan must be approved by advisor and the department head, and submitted to the Degree Auditor in the Registrars Office (1<sup>st</sup> floor, Wilbur Cross Building) no later than the end of the tenth week of classes of the semester prior to the anticipated semester of graduation.**
- Students must complete all major and general education course requirements and earn:
  - At least 120 credits toward the degree**
  - At least a 2.0 Cumulative Grade Point Average (CGPA)**
  - At least a 2.0 Grade Point Average for ALL courses listed in the 36 Credit Requirement**
- University of Connecticut General Education Requirements (GER), are outlined in the Academic Regulations section of the *Undergraduate Catalog*. Only approved courses may be used to meet requirements.
- Students should use their Academic Requirements Report (accessible in Student Admin) along with the Plan of Study to view their graduation requirements and assess status toward degree. Students must be attentive to credit restrictions (repeated courses, out of sequence classes, etc.). Courses taken Pass/Fail may NOT be used to meet any requirements.

### STUDENT AND DEGREE INFORMATION

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Must be filed out complete on your final plan of study.

Select One:

Preliminary Plan

Final Plan

Name \_\_\_\_\_ Student I.D.: \_\_\_\_\_

First

Middle

Last

Phone #: \_\_\_\_\_ Email Address: \_\_\_\_\_

Current Address: \_\_\_\_\_

Street

City/Town

State

Zio Code

Month and Year of Anticipated Graduation:  May  August  December Year: \_\_\_\_\_

Are you pursuing a double major in CAHNR:  Yes  No If YES, submit Double Major Attachment with final plans of study

Please list below any minors that you plan to earn and submit a final minor plan of study with your final major plan of study.

At the completion of semester you intend to graduate, will you have earned 120 or more credits?  Yes  No

### APPROVAL SIGNATURES

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\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Department Head's Signature

\_\_\_\_\_  
Date

**The final plan of study must be submitted to the Registrar's Office in the Wilbur Cross Building.  
Please remember to keep a copy of the plan for your records.**

**PART I: GENERAL EDUCATION REQUIREMENTS (GER) <sup>1</sup>**

Courses approved to meet GER are outlined in the Academic Regulations section of the *Undergraduate Catalog*.

*Courses in Content Areas 1-3 must be in 6 different departments.*

*One course from Content Area 4 may be used to fulfill a requirement in Content Areas 1-3.*

Content Area	Dept.	Course No.	Credits	Semester/Year	Grade
<input type="checkbox"/> Foreign Languages (3 years single language in high school) OR pass second course in first-year college sequence					
<input type="checkbox"/>				____ / ____	____
				____ / ____	____
ENGL 1007 or 1010 or 1011				____ / ____	____
"W" Course				____ / ____	____
"W" Course ( <i>within major</i> )				____ / ____	____
"Q" Course				____ / ____	____
"Q" Course ( <i>MATH or STAT</i> )				____ / ____	____
Environmental Literacy ( <i>total 3 credits</i> )				____ / ____	____
1 Arts & Humanities ( <i>total 6 credits</i> )				____ / ____	____
				____ / ____	____
2 Social Sciences ( <i>total 6 credits</i> )				____ / ____	____
				____ / ____	____
3 Science & Technology ( <i>total 6 credits – include one 4-credit laboratory course</i> )				____ / ____	____
				____ / ____	____
4 Diversity & Multiculturalism ( <i>total 6 credits – one must be "International" course</i> )				____ / ____	____
				____ / ____	____

**Computer Technology Competency:** See major requirements

**Information Literacy Competency:** See major requirements

## MEDICAL LABORATORY SCIENCES

### PART II: INDIVIDUAL COURSE REQUIREMENTS OF MEDICAL LABORATORY SCIENCES MAJOR<sup>1</sup>

Courses in this section that are numbered 2000-level or above may also be used to meet the 36 Credit Requirement (Part III).

**ALL of the following Mathematics and Sciences courses:**

Dept.	No.	Course Title	Credits	Semester/Year	Grade
BIOL	1107	Principles of Biology I	4	_____ / _____	_____
CHEM	<input type="checkbox"/> 1124Q & 1125Q	Fundamentals of General I and II	_____	_____ / _____	_____
	<input type="checkbox"/> or 1127Q & 1128Q	or General Chemistry I and II			
CHEM	<input type="checkbox"/> 2241	Organic Chemistry	_____	_____ / _____	_____
	<input type="checkbox"/> or 2443 and 2444				
MATH	<input type="checkbox"/> 1040Q	Elementary Mathematical Modeling	3	_____ / _____	_____
	<input type="checkbox"/> or 1060Q	or Precalculus			
	<input type="checkbox"/> or 1125Q or above	or Calculus			
STAT	<input type="checkbox"/> 1000Q	Introduction to Statistics I	4	_____ / _____	_____
	<input type="checkbox"/> or 1100Q	or Elementary Concepts of Statistics			
MCB	2000	Introduction to Biochemistry	4	_____ / _____	_____
MCB	2610	Fundamentals of Microbiology	4	_____ / _____	_____
MCB	<input type="checkbox"/> 2400	Human Genetics	3	_____ / _____	_____
	<input type="checkbox"/> or 2410	or Genetics			
	<input type="checkbox"/> AH 3025	Human Physiology in Health & Disease	_____	_____ / _____	_____
	<input type="checkbox"/> or PNB 2264 & 2265	or Human Physiology and Anatomy I & II			
	<input type="checkbox"/> or PNB 2274 & 2275	or Enhanced Human Physiology & Anatomy			

#### Professional Courses

All professional courses must be completed with a grade of "C" or better. Professional courses may ONLY be repeated once for a total of two times.

**ALL of the following:**

Dept.	No.	Course Title	Credits	Semester/Year	Grade
AH	2001	Medical Terminology	2	_____ / _____	_____
AH	3121	Immunology for the Medical Laboratory Sciences	3	_____ / _____	_____
AH	4241	Research for the Health Professional	2	_____ / _____	_____
DGS	4234	Diagnostic Molecular Technologies	3	_____ / _____	_____
DGS	4235	Laboratory in Molecular Diagnostics	2	_____ / _____	_____
MLSC	3301	Fundamentals of Medical Laboratory Sciences	3	_____ / _____	_____
MLSC	3333	Mycology, Parasitology and Virology	3	_____ / _____	_____
MLSC	3365	Theory of Phlebotomy	1	_____ / _____	_____

## MEDICAL LABORATORY SCIENCES

Dept.	No.	Course Title	Credits	Semester/Year	Grade
MLSC	4094W	Seminar in Medical Laboratory Sciences	2	_____ / _____	_____
MLSC	4301	Clinical Chemistry and Instrumentation	4	_____ / _____	_____
MLSC	4302	Clinical Chemistry Laboratory	3	_____ / _____	_____
MLSC	4311	Hematology	4	_____ / _____	_____
MLSC	4312	Hematology Laboratory	3	_____ / _____	_____
MLSC	4321	Clinical Immunology	2	_____ / _____	_____
MLSC	4322	Clinical Immunology Laboratory	1	_____ / _____	_____
MLSC	4341	Clinical Microbiology	4	_____ / _____	_____
MLSC	4342	Clinical Microbiology Laboratory	4	_____ / _____	_____
MLSC	4351	Transfusion Services	4	_____ / _____	_____
MLSC	4352	Transfusion Services Laboratory	2	_____ / _____	_____
MLSC	4371	Urinalysis and Hemostasis	1	_____ / _____	_____
MLSC	4372	Urinalysis Laboratory	1	_____ / _____	_____
MLSC	4500	Laboratory Operations and Professional Practice	2	_____ / _____	_____

*Writing Competency:* Students must pass MLSC 4094W.

*Computer Technology Competency:* University entry-level competencies have been reviewed and satisfy all program requirements.

*Information Literacy Competency:* Competencies will be met through successful completion of program major courses.

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## ONLINE PLAN OF STUDY FORM ATTACHMENT

### PART III: 36 CREDIT REQUIREMENT FOR ALL MAJORS<sup>1</sup>

Each student is required to successfully complete at least 36 credits of courses that are numbered 2000-level or above in or relating to their major. These courses may also be used to meet other requirements. This group of courses must:

1. Total not less than 36 credits
2. Be numbered 2000 or above
3. Be approved by student's advisor and department head
4. Be taken at the University of Connecticut<sup>2</sup>
5. Include two or more departments
6. Include at least 15 credits from departments in the College of Agriculture, Health and Natural Resources
7. Have a combined Grade Point Average of at least 2.0
8. Not include more than 6 credits (combined) of Independent Study, Internship, or Field Studies (if included, these courses must be taken at the University of Connecticut)
9. Not be taken on Pass/ Fail (P@ / F@)
10. Not include more than 6 credits of Satisfactory/Unsatisfactory (S/U) coursework

Dept.	No.	Credits	Semester/Year	Grade
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____

Dept.	No.	Credits	Semester/Year	Grade
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____
_____	_____	_____	_____ / _____	_____

Credits from departments in CAHNR (15 required): \_\_\_\_\_

(CAHNR subject codes include AHNR, AH, ANSC, ARE, DGS, DIET, ENVS, EVST, HORT, KINS, LAND, MLSC, NRE, NUSC, PLSC, PATH, SOIL, SPSS, TURF)

Total Credits in 36 credit group: \_\_\_\_\_

<sup>1</sup>Courses taken on Pass/Fail may NOT be used to meet any requirements.

<sup>2</sup>**Residence Requirement.** It is expected that advanced course work in the major will be completed at the University of Connecticut. However, students may be eligible to use up-to six credits from other institutions in the 36-credit group if approved by their advisor and department head. These credits must be identified as courses comparable to specific University of Connecticut courses and cannot include internships, special topics, or non-specific discipline credits. Transfer students must complete at least 30 credits of 2000-level or higher course work at the University of Connecticut, including at least 15 credits in College of Agriculture, Health and Natural Resources courses.